Ref: BEC/E/3/2023-24/602   October 18, 2023

N O T I C E

(HONOR/MINOR DEGREE-V SEMESTER)

As per the R20 regulations clause no. 6.9 and 6.10, students can take up either Honors Degree (from the same branch) or Minor Degree (from the other branches) in parallel to their main degree in the V Semester.

Hence all the interested students who are in V Semester (those who are completed honor/minor course in IV semester) and who satisfies the SGPA criteria (≥8.0 in each Sem up to IV Sem) can apply for Honors or Minors degree courses. The detailed guidelines and application forms are available with the concerned HOD's.

The course work for Honors & Minors starts from 30th October, 2023. Hence the interested students must register with the concerned HODs on or before 21st October, 2023.

PRINCIPAL

Copy to :   All HODs
             The HODs for Staff Circulation
             To circulate in the **III B.Tech. Classes**
             The Controller of Examinations
             The Chief Superintendent
             The Exam Section
             The Website Coordinator

Attachments:
1. Application and Guidelines for the Honor Degree.
2. Application and Guidelines for the Minor Degree.

BAPATLA ENGINEERING COLLEGE :: BAPATLA :: (AUTONOMOUS)
APPLICATION FOR MINOR DEGREE (2023-24-V SEMESTER)

Date:

1. Name of the Candidate   :

2. Register Number and Branch   :

3. Semester wise SGPA obtained   : (Enclose Xerox copies of marks memos)

S.No.	Passed all the subjects in single attempt(Yes/No)	B.Tech/ Lateral Entry*	Month and Year	SGPA
01		Semester I		
02		Semester II		
03		Semester III		
04		Semester IV		

*For Lateral entry students, furnish the SGPA from third Semester of B.Tech only

4.   Student Mobile No.   :

5.   Parent Mobile No.   :

6. Undertaking by the Candidate: _____
    (To be written by the candidate)
    Undertaking :   I have read the guidelines for Honor Degree and I will abide by the same.

SIGNATURE OF THE CANDIDATE

Signature of the Mentor   **Signature of the HOD**   **Signature of the Principal**

Guidelines for the Minor Degree.

a. i) Students who are desirous of pursuing their special interest areas other than the chosen discipline of Engineering may opt for additional courses in minor specialization groups offered by a department other than their parent department. For example, If Mechanical Engineering student selects subjects from Civil Engineering under this scheme, he/she will get Major degree of Mechanical Engineering with minor degree of Civil Engineering

ii) Student can also opt for Industry relevant tracks of any branch to obtain the Minor Degree, for example, a B.Tech Mechanical student can opt for the industry relevant tracks like Data Mining track, IOT track, Machine learning track etc.

b. The BOS concerned shall identify as many tracks as possible in the areas of emerging technologies and industrial relevance / demand. For example, the minor tracks can be the fundamental courses in CSE, ECE, EEE,CE,ME etc or industry tracks such as Artificial Intelligence (AI), Machine Learning (ML), Data Science (DS), Robotics, Electric vehicles, Robotics, VLSI etc.

c. The list of disciplines/branches eligible to opt for a particular industry relevant minor specialization shall be clearly mentioned by the respective BOS.

d. There shall be no limit on the number of programs offered under Minor. The University/Institution can offer minor programs in emerging technologies based on expertise in the respective departments or can explore the possibility of collaborating with the relevant industries/agencies in offering the program.

e. The concerned BOS shall decide on the minimum enrolments for offering Minor program by the department. If a minimum enrolments criterion is not met, then the students may be permitted to register for the equivalent MOOC courses as approved by the concerned Head of the department in consultation with BOS.

f. A student shall be permitted to register for Minors program at the beginning of IV semester subject to a maximum of two additional courses per semester, provided that the student must have acquired 8 SGPA (Semester Grade point average) upto the end of II semester without any history of backlogs. It is expected that the III semester results may be announced after the commencement of the IV semester. If a student fails to acquire 8 SGPA upto III semester or failed in any of the courses, his registration for Minors program shall stand cancelled. An SGPA of 8 has to be maintained in the subsequent semesters without any backlog in order to keep the Minors registration active.

g. A student shall earn additional 20 credits in the specified area to be eligible for the award of B. Tech degree with Minor. This is in addition to the credits essential for obtaining the Under Graduate Degree in Major Discipline (i.e. 160 credits).

h. Out of the 20 Credits, 16 credits shall be earned by undergoing specified courses listed by the concerned BOS along with prerequisites. It is the responsibility of the student to acquire/complete prerequisite before taking the respective course. If a course comes with a lab component, that component has to be cleared separately. A student shall be permitted to choose only those courses that he/she has not studied in any form during the Programme.

i. In addition to the 16 credits, students must pursue at least 2 courses through MOOCs. The courses must be of minimum 8 weeks in duration. Attendance will not be monitored for MOOC courses. Student has to acquire a certificate from the agencies approved by the BOS with grading or marks or pass/fail in order to earn 4 credits. If the MOOC course is a pass/fail course without any grades, the grade to be assigned as decided by the university/academic council.

j. Student can opt for the Industry relevant minor specialization as approved by the concerned departmental BOS. Student can opt the courses from Skill Development Corporation (APSSDC) or can opt the courses from an external agency recommended and approved by concerned BOS and should produce course completion certificate. The Board of studies of the concerned discipline of Engineering shall review such courses being offered by eligible external agencies and prepare a

fresh list every year incorporating latest skills based on industrial demand.

k. A committee should be formed at the level of College/Universities/department to evaluate the grades/marks given by external agencies to a student which are approved by concerned BOS. Upon completion of courses the departmental committee should convert the obtained grades/marks to the maximum marks assigned to that course. The controller of examinations can take a decision on such conversions and may give appropriate grades.

l. If a student drops (or terminated) from the Minor program, they cannot convert the earned credits into free or core electives; they will remain extra. These additional courses will find mention in the transcript (but not in the degree certificate). In such cases, the student may choose between the actual grade or a "pass (P)" grade and also choose to omit the mention of the course as for the following: All the courses done under the dropped Minors will be shown in the transcript. None of the courses done under the dropped Minor will be shown in the transcript.

m. In case a student fails to meet the CGPA requirement for B.Tech degree with Minor at any point after registration, he/she will be dropped from the list of students eligible for degree with Minors and they will receive B. Tech degree only. However, such students will receive a separate grade sheet mentioning the additional courses completed by them.

n. Minor must be completed simultaneously with a major degree program. A student cannot earn the Minor after he/she has already earned bachelor's degree.

o. Minimum enrollment for a Minor course to be offered is 12

BAPATLA ENGINEERING COLLEGE :: BAPATLA :: (AUTONOMOUS)

APPLICATION FOR HONOR DEGREE (2023-24-V SEMESTER)

Date:

1. Name of the Candidate   :

2. Register Number and Branch   :

3. Semester wise SGPA obtained   : (Enclose Xerox copies of marks memos)

S.No.	Passed all the subjects in single attempt(Yes/No)	B.Tech/ Lateral Entry*	Month and Year	SGPA
01		Semester I		
02		Semester II		
03		Semester III		
04		Semester IV		

*For Lateral entry students, furnish the SGPA from third Semester of B.Tech only

4.   Student Mobile No.   :

5.   Parent Mobile No.   :

6. Undertaking by the Candidate: _____
   (To be written by the candidate)
   Undertaking :   I have read the guidelines for Honor Degree and I will abide by the same.

SIGNATURE OF THE CANDIDATE

Signature of the Mentor   **Signature of the HOD**   **Signature of the Principal**

Guidelines for the Honor Degree.

a. A student shall be permitted to register for Honors program at the beginning of 4th semester provided that the student must have acquired a minimum of **8.0 SGPA** upto the end of 2 semester without any backlogs. In case of the declaration of the 3rd semester results after the commencement of the 4th semester and if a student fails to score the required minimum of 8 SGPA, his/her registration for Honors Programme stands cancelled and he/she shall continue with the regular Programme. An SGPA of 8 has to be maintained in the subsequent semesters without any backlog in order to keep the Honors registration active.

b. Students can select the additional and advanced courses from their respective branch in which they are pursuing the degree and get an honors degree in the same. e.g. If a Mechanical Engineering student completes the selected advanced courses from same branch under this scheme, he/she will be awarded B.Tech. (Honors) in Mechanical Engineering.

c. In addition to fulfilling all the requisites of a Regular B.Tech Programme, a student shall earn 20 additional credits to be eligible for the award of B. Tech (Honors) degree. This is in addition to the credits essential for obtaining the Under Graduate Degree in Major Discipline.

d. Of the 20 additional Credits to be acquired, 16 credits shall be earned by undergoing specified courses listed as pools, with four courses, each carrying 4 credits. The remaining 4 credits must be acquired through two MOOCs, which shall be domain specific, each with 2 credits and with a minimum duration of 8 weeks as recommended by the Board of studies.

e. It is the responsibility of the student to acquire/complete prerequisite before taking the respective course. The courses offered in each pool shall be domain specific courses and advanced courses.

f. The concerned BOS shall decide on the minimum enrolments for offering Honors program by the department. If minimum enrolments criteria are not met then the students shall be permitted to register for the equivalent MOOC courses as approved by the concerned Head of the department in consultation with BOS.

g. Each pool can have theory as well as laboratory courses. If a course comes with a lab component, that component has to be cleared separately. The concerned BOS shall explore the possibility of introducing virtual labs for such courses with lab component.

h. MOOC courses must be of minimum 8 weeks in duration. Attendance will not be monitored for MOOC courses. Students have to acquire a certificate from the agencies approved by the BOS with grading or marks or pass/fail in order to earn credits. If the MOOC course is a pass/fail course without any grades, the grade to be assigned will be as decided by the BOS/academic council.

i. The concerned BOS shall also consider courses listed under professional electives of the respective B. Tech programs for the requirements of B. Tech (Honors). However, a student shall be permitted to choose only those courses that he/she has not studied in any form during the Programme.

j. If a student drops or is terminated from the Honors program, the additional credits so far earned cannot be converted into free or core electives; they will remain extra. These additional courses will find mention in the transcript (but not in the degree certificate). In such cases, the student may choose between the actual grade or a "pass (P)" grade and also choose to omit the mention of the course as for the following: "All the courses done under the dropped Honors" will be shown in the transcript or "None of the courses done under the dropped Honors" will be shown in the transcript.

k. In case a student fails to meet the CGPA requirement for Degree with Honors at any point after registration, he/she will be dropped from the list of students eligible for Degree with Honors and they will receive regular B.Tech degree only. However, such students will receive a separate grade sheet mentioning the additional courses completed by them.

l. Honors must be completed simultaneously with a major degree program. A student cannot earn Honors after he/she has already earned bachelor's degree.

m. Minimum student enrollment for the Honors to be offered is 12.